

GEORGE ENGELMANN
BOTANICAL NOTEBOOKS

Pagination Note:

Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

~~Leucocarpus~~ Hook Fl. Bor. II. 191
J. ensifolius Gray O. Hall
 Condus not Wickstron

Hooker writes with *ensifolius* Mertensianus &
fulvatus but does not mention at all

J. xiphoides
 Herb. Bor. II. 2. 191

TRANS. OF THE ACAD. OF SCIENCE.

745-56

interrupted descent and ascent took place from January to December, we find in 1862 some interruptions in the steps of that ladder. The electricity in February, 1862, is about four degrees higher than that of January, April somewhat higher than March, and July is the lowest instead of September in 1861. These trifling irregularities may be accounted for by differences in temperature and relative humidity, and by a greater number of thunderstorms in 1862. January of 1862, for instance, was so unusually rainy, that its relative humidity too was unusually high, diminishing thus electricity. But the general features of distribution of electricity throughout the year are apparent in both years, and we may in that respect divide the twelve months of each year into two or three groups. Computing the months which give the highest electricity and those which give the lowest in each year, we find that in both years the months of January, February, March, April, November and December exhibit the highest, and the months of May, June, July, August, September and October the lowest electricity. The first group gives

The aggregate monthly mean of 71.5 degrees of electricity in 1861	and 74.6	"	"	"	"	1862
While the second group gives 29.0	"	"	"	"	"	1861
and 25.7	"	"	"	"	"	1862

The second group prevailed therefore in 1861, and the 1st in 1862.

foliis stipulatis
sem. appendiculatis

Bovicandus = *Mertensianus*?



9772

WISLIZENUS—ATMOSPHERIC ELECTRICITY. 117

VI. The appearance of negative electricity was connected in

1861. No. times.	1862. No. times.	
30	32	with thunderstorms.
23	28	with rains without thunder and lightning.
20	4	with dry storms (without rain and without thunder and lightning).
4	3	with snow.
1	0	with fog.
78	67	

VII. Relation of Rain and Snow to Electricity.

Rain without thunderstorm was accompanied

	By Positive Electricity.		By Negative Electricity.		By no Electricity.	
	In 1861.	In 1862.	In 1861.	In 1862.	In 1861.	In 1862.
January.....	7	5	3	2	2
February.....	2	1	4	1



Juncus ensifolius

Aug 15. 1865

Colomb, Hall sb-

this is nothing but *xiphoides* no!



about 10 ribs



Capsule 2-lobed
plumbeo brevire
brevire



x10



cut of stems

ferax compressis
f. stulosi



hollow



stipules very indistinct



0 1 2 3 4 5 6 7 8 9 10

cm

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Juncus

Aug 25 1865

Medicine Bone Mass, Ho. Engelman, 1859

Why is this not

J. phaeocephalus

which therefore is only

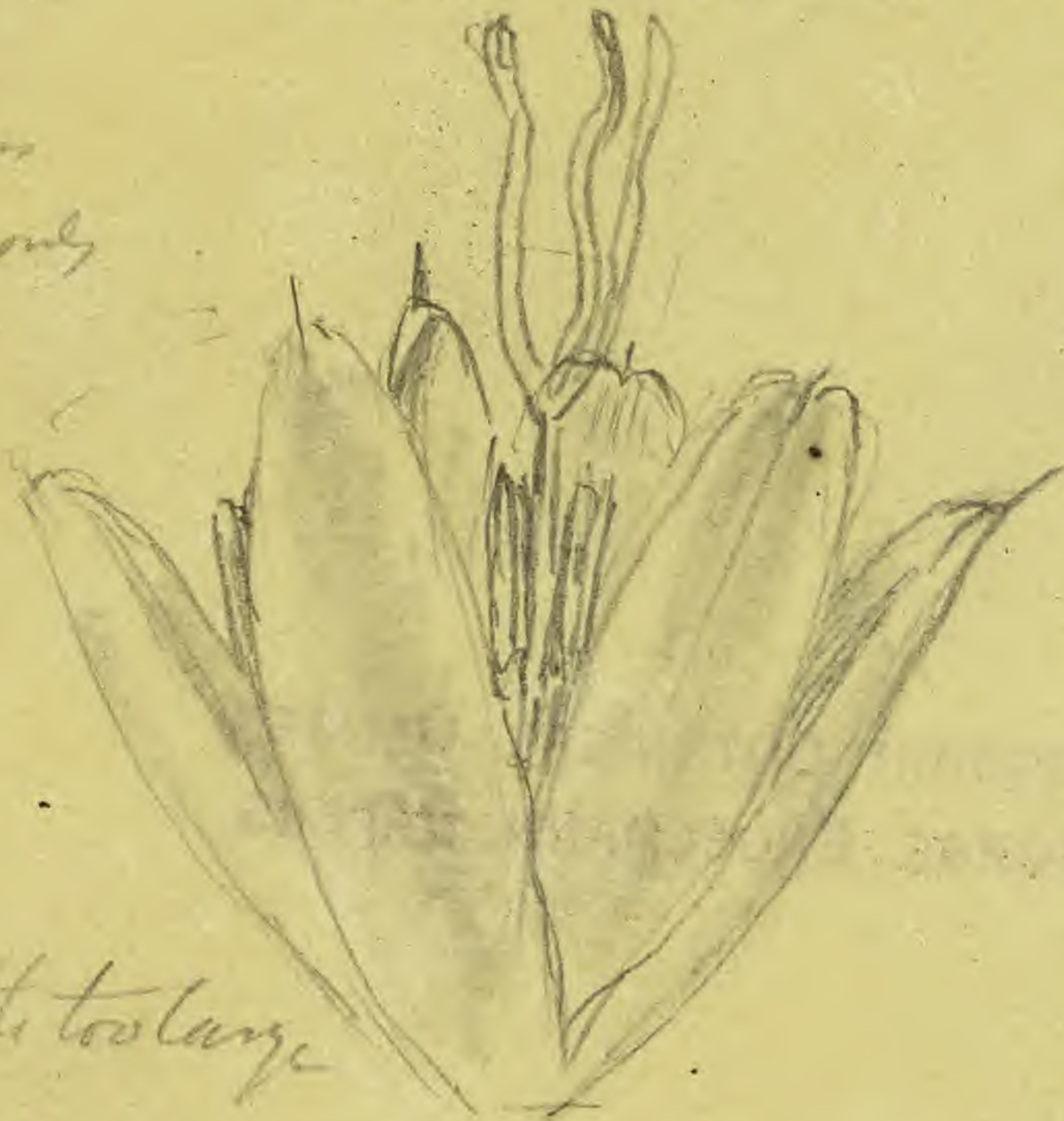
found in California

form of pistil

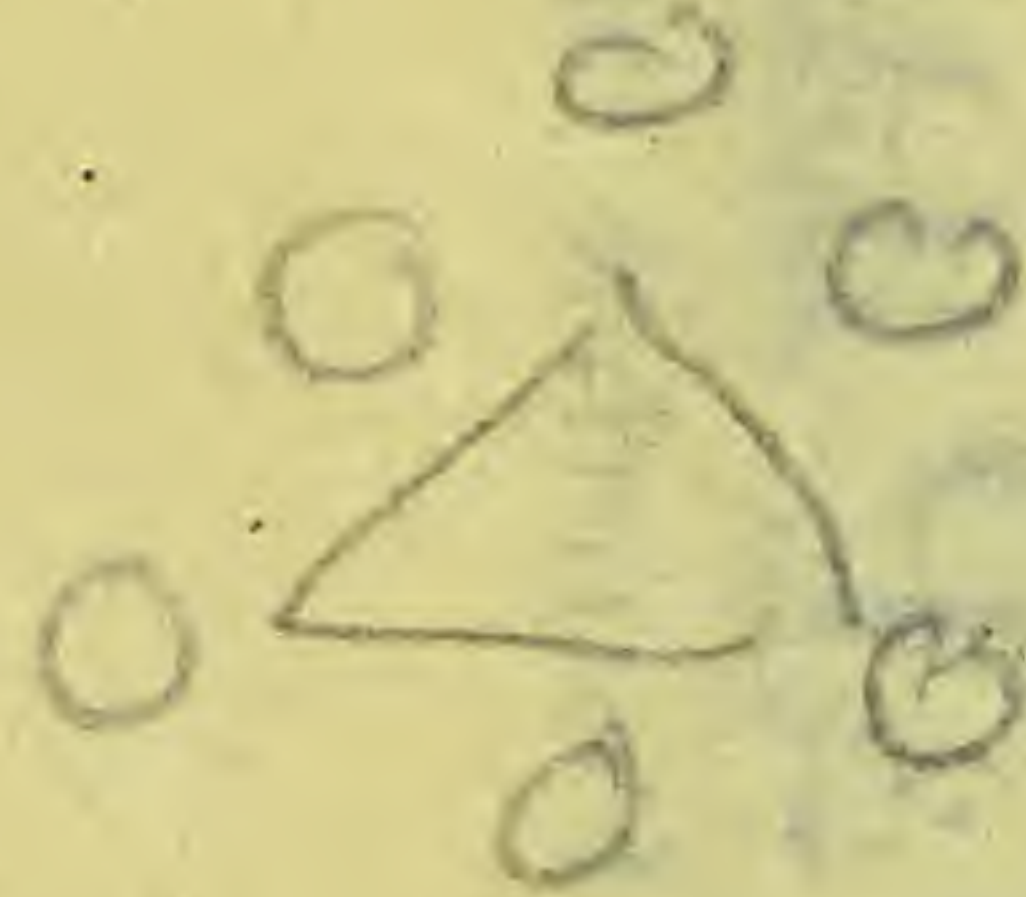
and anthers

ought to decide

Dec. 1867



x10



little too large

inner sepals shorter, obtuse,
emarginate, slightly cuspitate



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Linnæus

Aug 30 1865

Californ

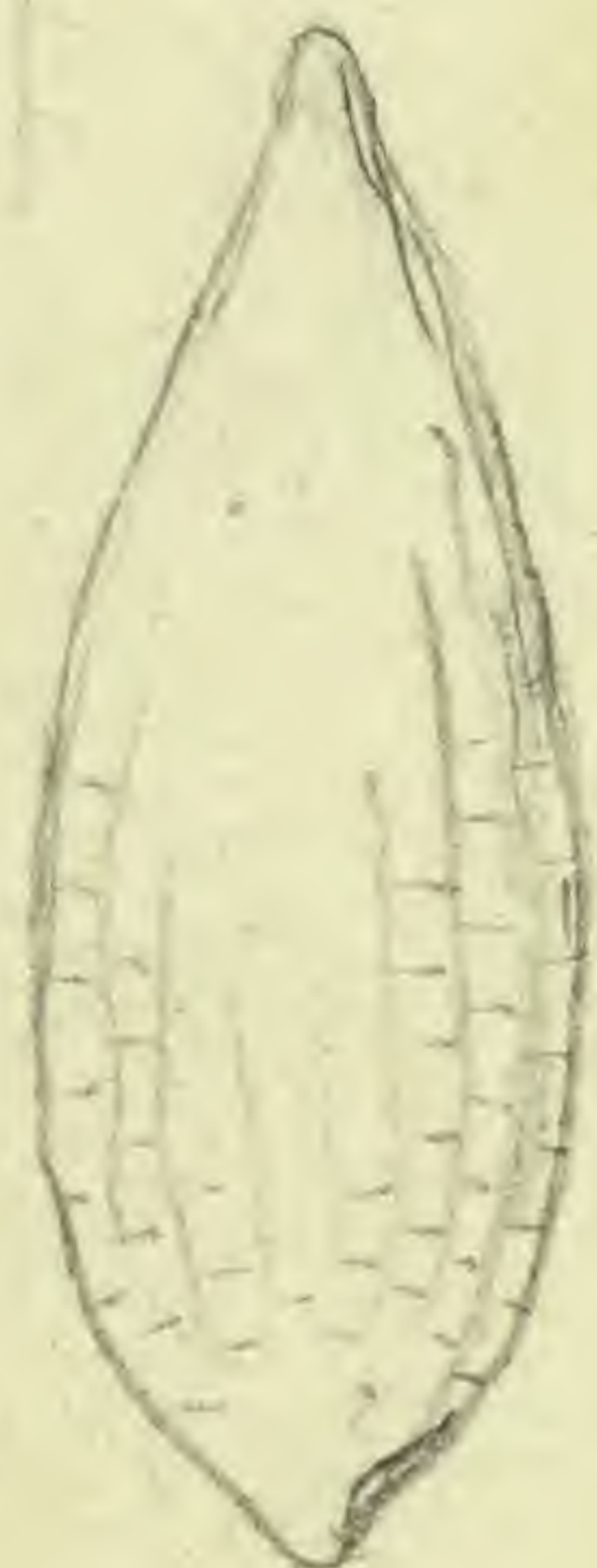
Bolander

in Hb Hall with Cabal

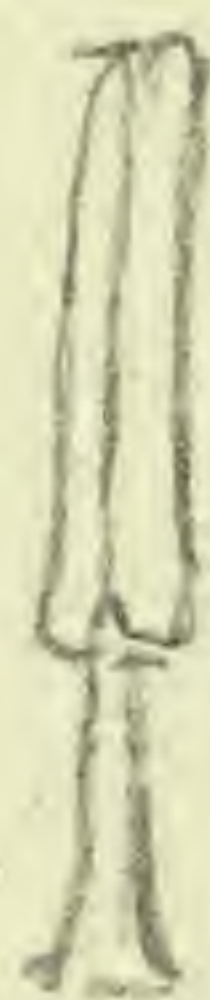
buds 3-6 flower,
usually 4 flower

leaf x10

x60



x10



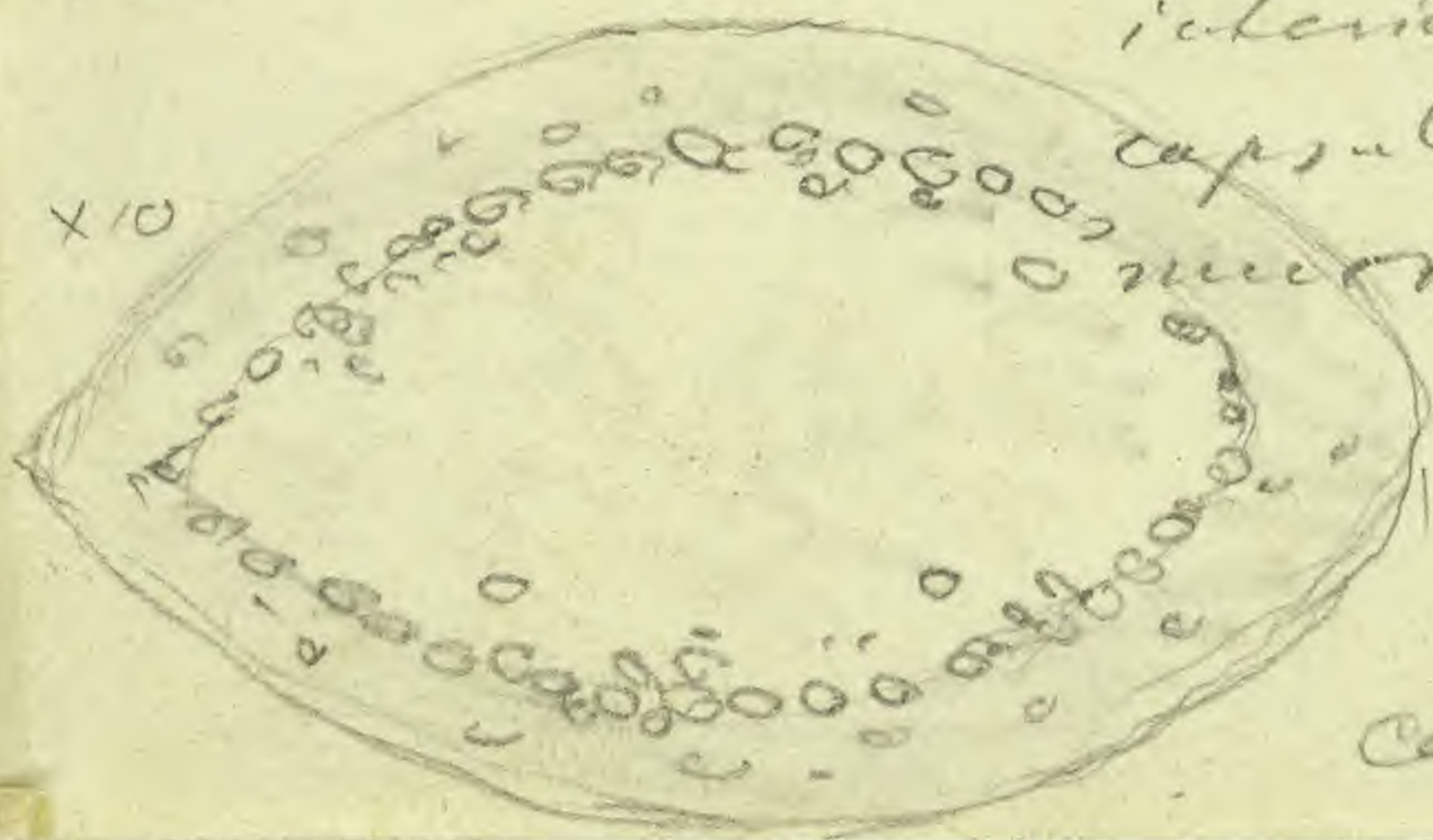
seed unripe

sepals exterioribus lanceolato subulatis
interioribus obtusiusculis mucronatis

capsula triquetra prismatica determinata
mucronata calycem excedente
folia 6-8 mm lata anguste amplexata
anthera supra-composita

caule unicipiti fere - foliis latis
compressis irregulariter nodosis
lucida

x10



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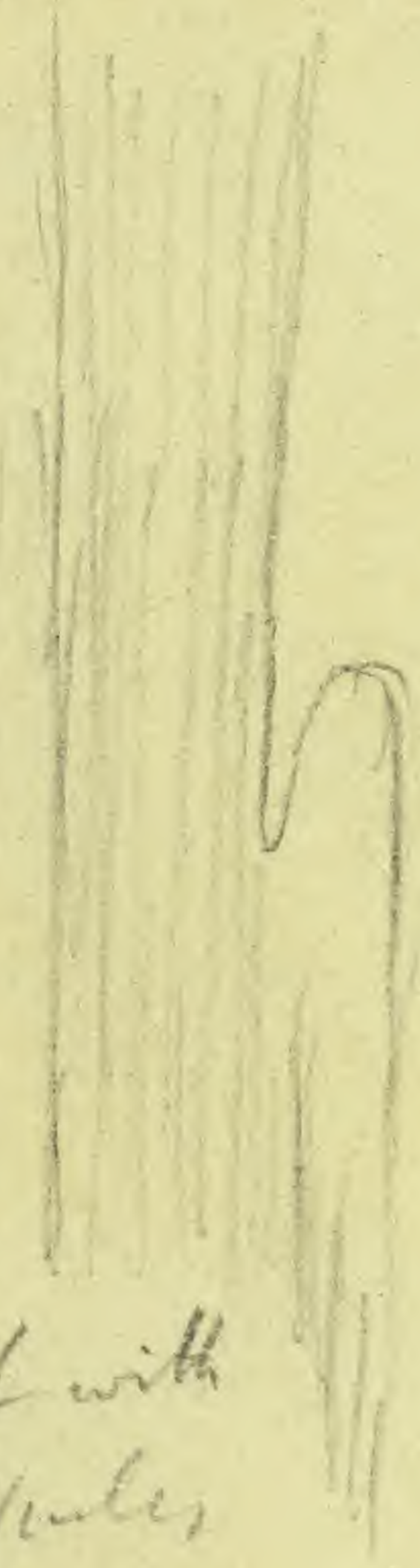
Oct 18 1865

J. cuspidata

Unalaska

Hb. Chamisso

in Hb. Gray



leaf with stipules



deep brown blackish uniform

not yet in flower

x10



scar of leaf x10

perhaps *Mercurialis*



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Juncus ensifolius Wikstr? |
Unalaska A. J. Ch

Oct 18 1865

Chamisso in HB Gray
ex HB. Paulsen

x60



seed not ripe
but apparently strongly
reticulate

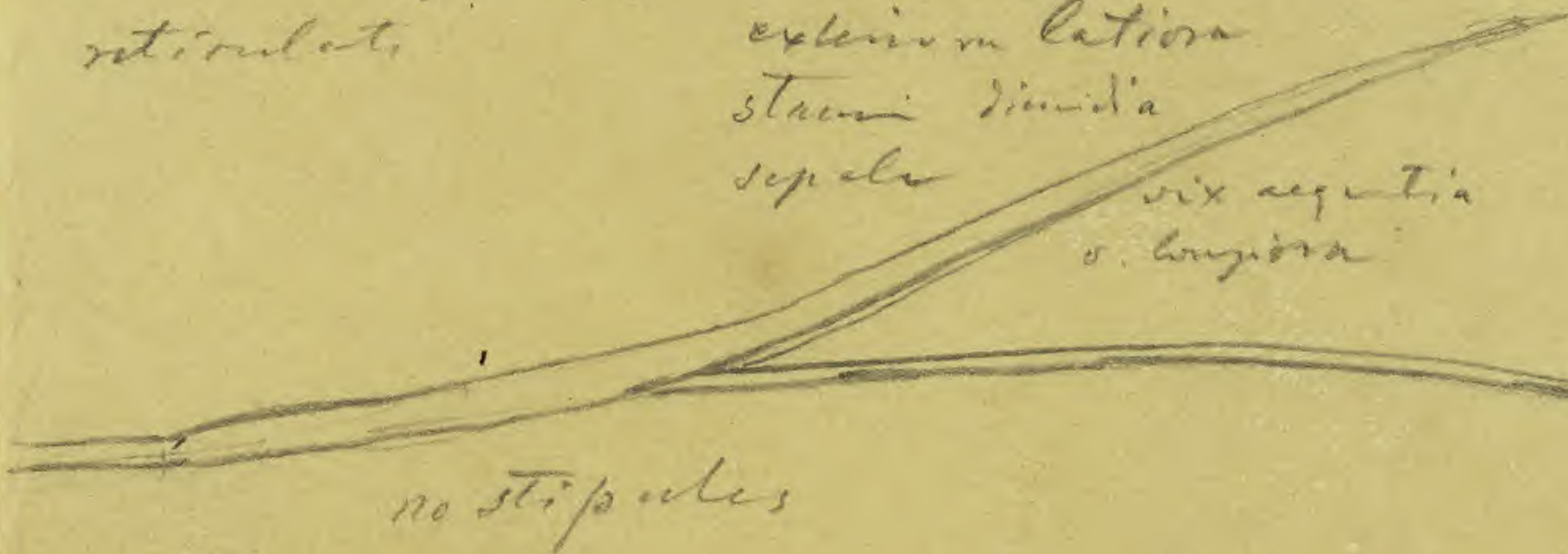


sepala aequalia
exterius latiora
stamini dimidia
sepala



from another
flower

six aequalia
o. longiora



no stipules



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"*J. ensiplicatus*"

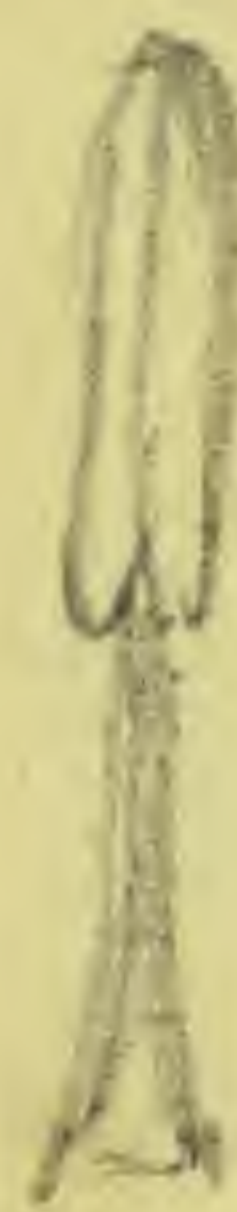
Oct 19 1865

Hall 565 = Hb Gray

larger paler specimen



10-11 ribs



largest seed of any
specimen



x10

large stipules



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2341 *Troncus*

Jan 6 1866

Bolander No 5

capit. 5-8 flora
paniculate

x10

virginia side auriculate
sensim exsertens



sepala interiora
sub breviora obtuse mucronata
exteriora longiora subulata



0 1 2 3 4 5 6 7 8 9 10

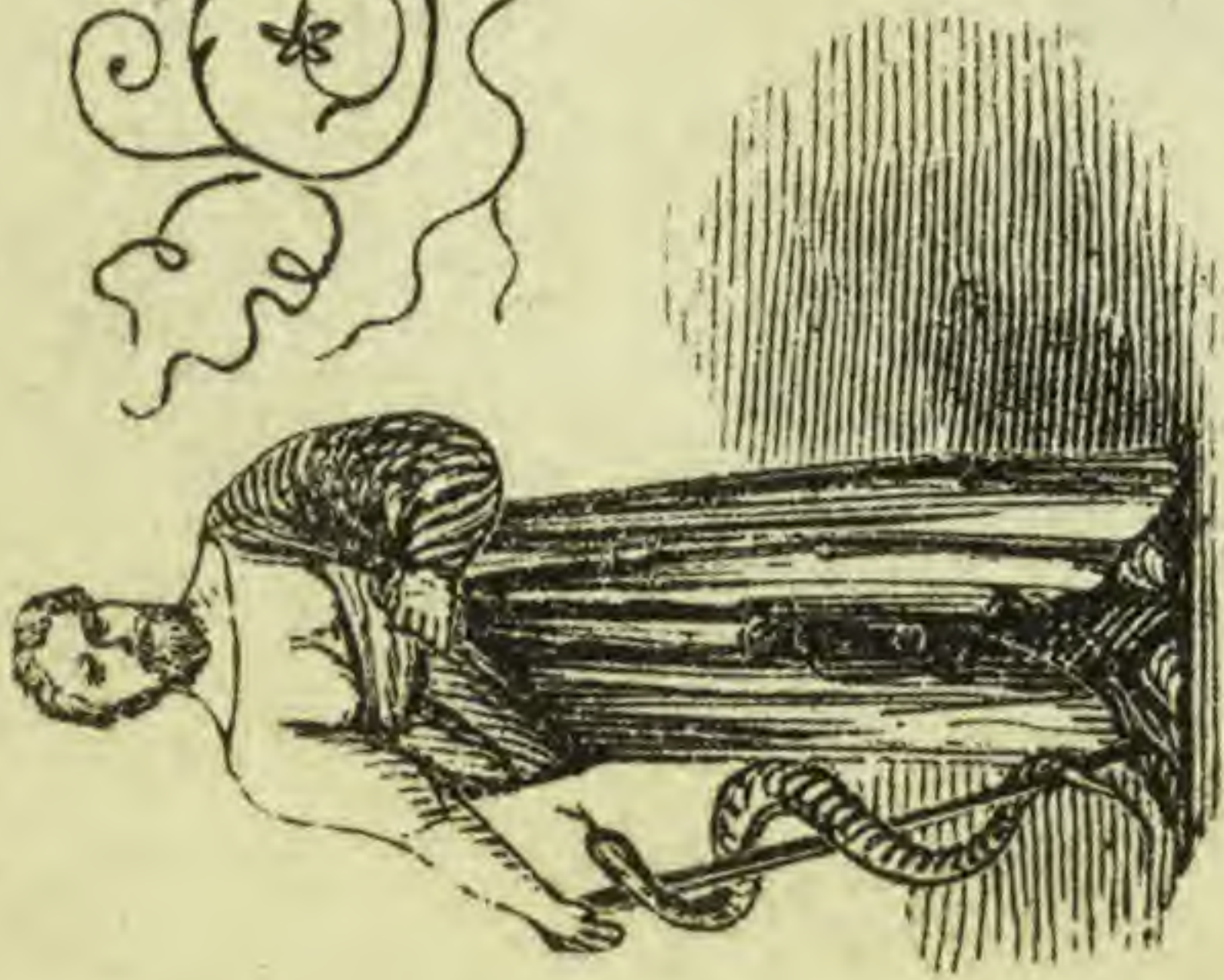
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"*J. ensifolium*"

April 7 1866

Colombia Hall

508



x60

10-12 ribs
visible



x150

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HERBARIUM

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45. *J. Mertensianus* Bongt
Silcha Mertens 1833

= *J. brevicaudus*

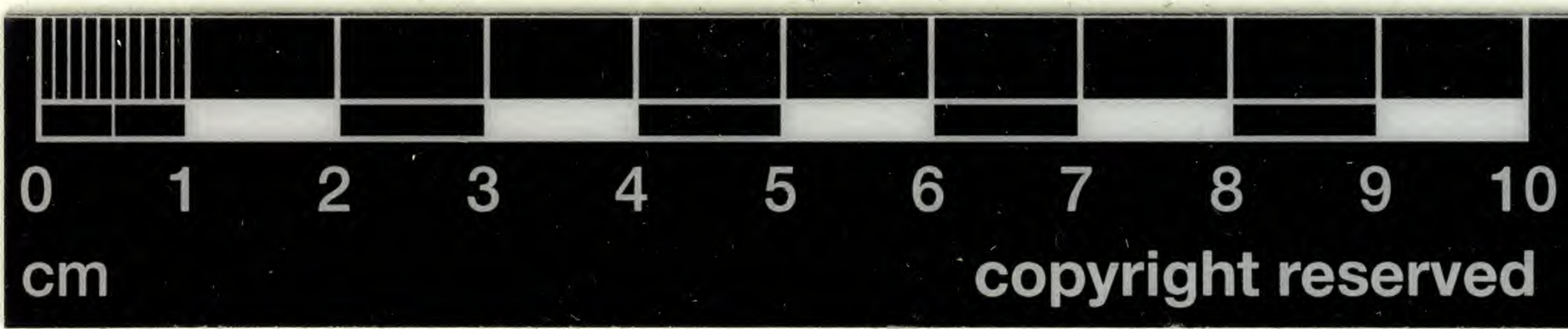
*Folia nodosa
 fistulosa
 advenis?*

742-761

Bi-Monthly Summary of Medical Literature.

	PAGE
ANATOMY AND SURGERY.	
Successful Case of Ovariectomy. By Henry G. Clark, M. D.	163
A Case of Malingering. By Dewitt C. Peters, M. D., U. S. A.	165
On the Contractility of the Healthy and Paralyzed Muscles, as tested by Electricity.....	168
Simple Dressings for Recent Burns.....	169
PRACTICAL MEDICINE.	
On Diphtheria and Its Treatment. By C. D. Meigs, M. D.	170
Late Developments relating to Trichina Spinalis.....	172
OBSTETRICS.	
Twin Labor, in which Uterine Action Commenced and Progressed to the Second Stage during Sleep. By James Palfrey, M. D., M. R. C. P.	174
Seanzoni on Chronic Metritis.....	175
PATHOLOGY.	
Urine of Intermittent Fever.....	175
MATERIA MEDICA AND THERAPEUTICS.	
Iodide of Lime a Substitute for Iodide of Potassium.....	176
PHARMACY.	
Preservation of Gum and Starch Paste.....	177
Sulphate of Copper in Pencils.....	177
Test Paper prepared from Hollyhock.....	177
TOXICOLOGY AND JURISPRUDENCE.	
Poisoning by Cyanide of Potassium.....	178
MISCELLANY.	
Professional Dignity in France.....	178

Editorial Department.



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Table of Contents.

Original Communications.

	PAGE
VIRCHOW'S CELLULAR PATHOLOGY. By M. L. Linton, M. D., Prof. of Principles and Practice of Medicine, St. Louis Medical College.....	97
SYPHILIS. Diday's Essays. By L. Ch. Boislincere, M. D., St. Louis. . .	107
SURGICAL CASES. A Peculiar Manner of Ligating the Carotid Artery. By J. T. Hodgen, M. D., Prof. Physiology, St. Louis Medical College. . .	112
A Case of Gun-shot Fracture of the Inferior Maxillary by a Minnie Ball, and Excision of One-third of the Bone. By Sam'l B. Houts, Surgeon of the 18th Mo. Vol. Inf.	113
OPHTHALMIC CASES. Entropium Blepharophymosis. By S. Pollak, M. D., One of the Surgeons of the St. Louis Eye and Ear Infirmary.....	116

Hospital Reports.

Benton Barracks Hospital—Spinal Meningitis, as it appeared among the colored troops at Benton Barracks, Mo., during the Winter of 1863-4. By Ira Russell, Surgeon U. S. A.....	121
U. S. Marine Hospital—Statistics of Diseases and Mortality during the Year. Hospital Gangrene Treated with Bromine; A Case of Gun-shot	



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ering.

Dimensions.—Length, 0.20 of an inch; width, 0.18.

The *Elæacrinus Kirkwoodensis* is nearly allied to *E. (Pentremites) melo*, from which it is distinguished by its much smaller size and less deeply excavated base. It also occupies a higher geological position.

Occurs in the St. Louis Limestone (Carboniferous) on the Pacific railroad near Kirkwood, St. Louis county, Missouri.

8

Intertaxianus?

at *phacopelid* *specimen*

flores *majoris*, *staminibus* *majoribus*

742-4



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cm



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... from containing more than a few crystals, which are now deposited in the collection of the Smithsonian Institute; a few others are also in the hands of members of the party. We were travelling at the time by forced night marches with nearly worn out animals, seeking to gain a spring of water in a distant range of mountains. This desert was then entirely unexplored. I have but little doubt that more interesting materials are to be found at the same point.

The mountains of the former Territory of Utah promise a rich yield to the mineralogist. We know already of gold and silver ores in the east, west and south part of that district; of copper and lead ores in the south, and I have discovered the latter also in the centre of it; of specular iron ores and native sulphur in the Rocky Mountains and near Little Salt Lake; of rock salt in the mountains south-east of Utah Lake; of native alum near Salt Lake; of various other salts in the deserts; and of silicates, composing the granites, porphyries, diorites, trachytes, and lavas, nearly over the whole area.

2226

Juncus Mertensianus

Dec 25 1867

No 212 Macfarlane Valley, toward Laguna del Cristo Pas.
J. C. Parry Aug 1867

vaginae exsertentes

non appendiculatae



x60

6-7 ribs visible



x150



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N. 213

Juncus Martensii

Dec 25 1867

apparently pleocarpelous

Sangre de Christo Pass

Dr Perry Aug 1867

x10



vegne auriculatae



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 HERBARIUM
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 HERBARIUM



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6039

Hb. n. 92

J. Mestensiana, Bong

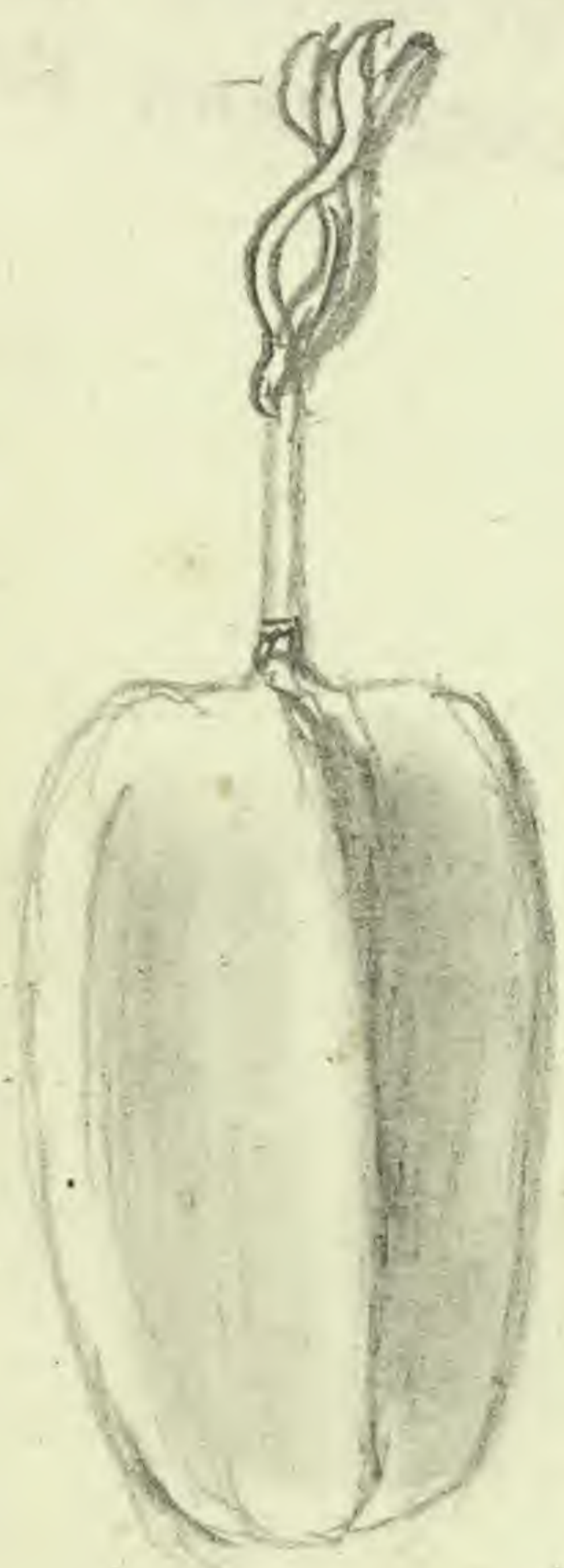
July 27 1867

Banks of water courses, Mono pass

8000 feet high

H. Bolander 1867

x60



x10



7-8 ribs
lower (pericarp)
trilobed & short
or long.



0 1 2 3 4 5 6 7 8 9 10

cm

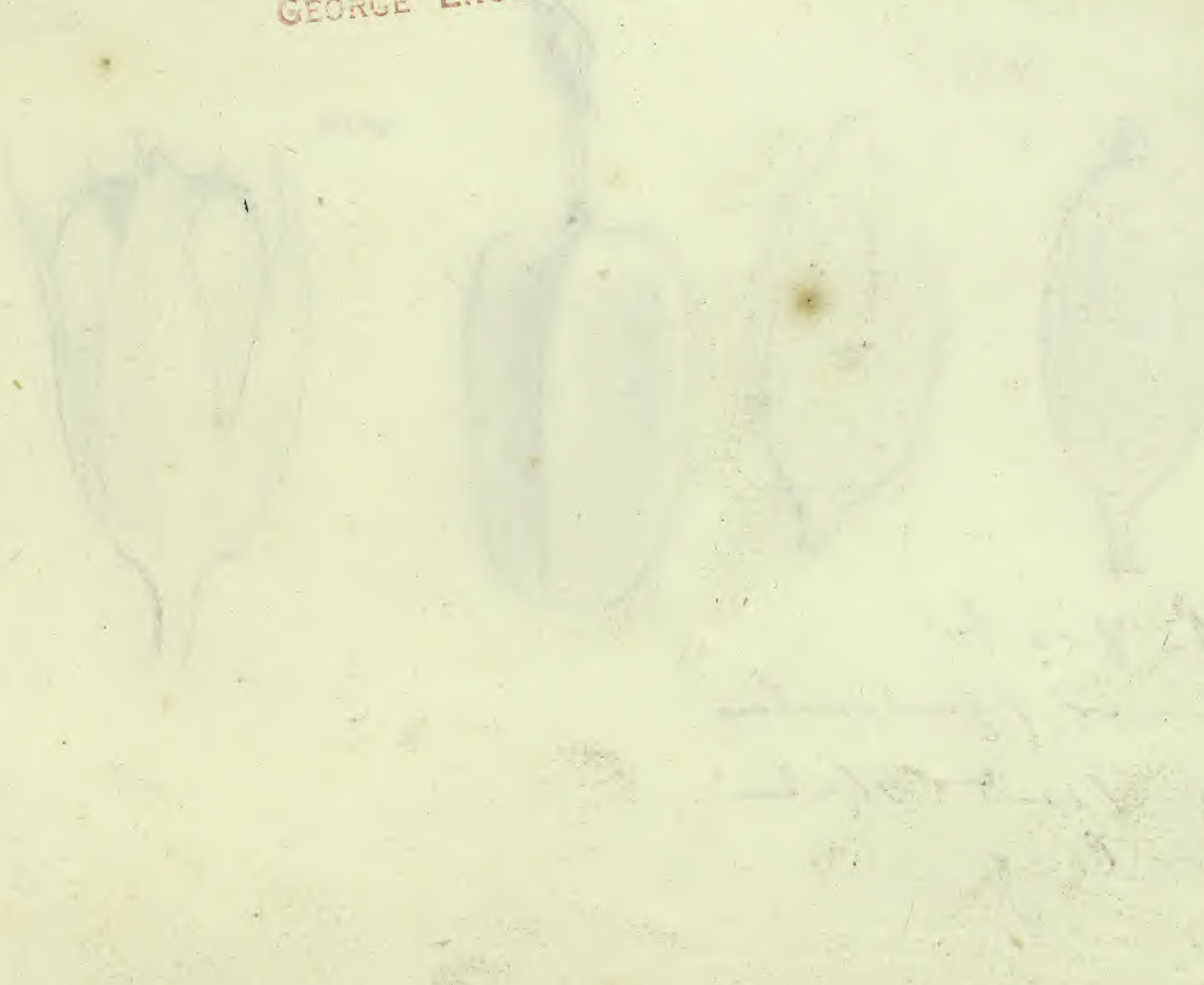
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J. Montanensis

Feb 25 1862

Siberia, Montana

Hb Hort Petrop. N. 10



about 8 ribs visible
no cross striation, area smooth
Seed unripe
less tailed, than in
other specimens



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Juncus xiphioides

Aug 29 1865

San Francisco, Bolander

Hb. Engelm.

heads 12-20 flowered

x60



seed strongly
reticulate



each flower
with a short
pedicel



March 29 1866



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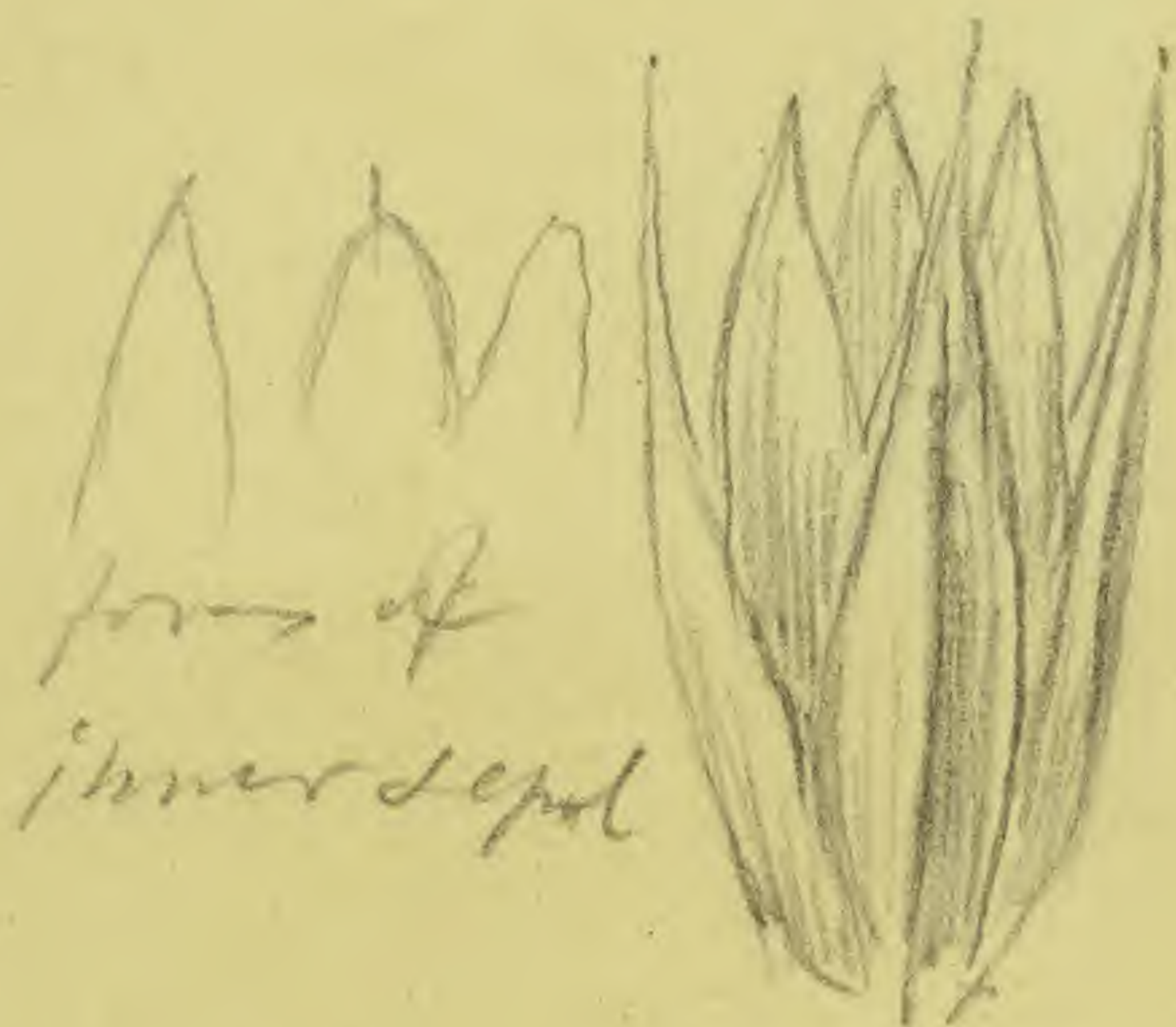
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Juncus xiphioides Mez. ! Octob 20 1865

Original specim. of Haenke, from Monterey
Cal.

Fragment in HB Gray

Capitula 6-8 florum



forms of
inner sepal



septa interiora
pauci breviora
acuta s. obtusa, scula



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Junonia xiphoides

Octob 25 1865

Fort Tejon Calif x autus 1857

in Hb Gray

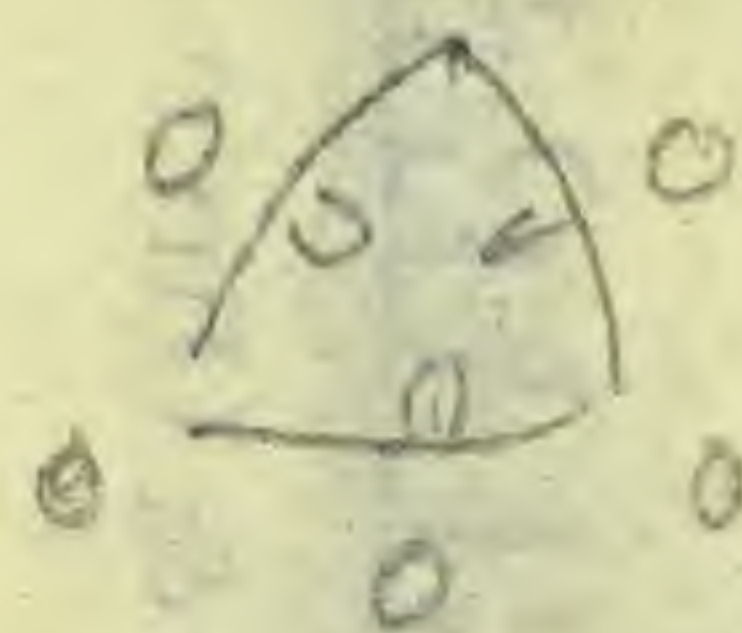
Paucis serripuncta

Capitulum 8-12 florum

x 60



sepals acuminate
scabrate
fere acy-longe



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1159

Califon State Survey

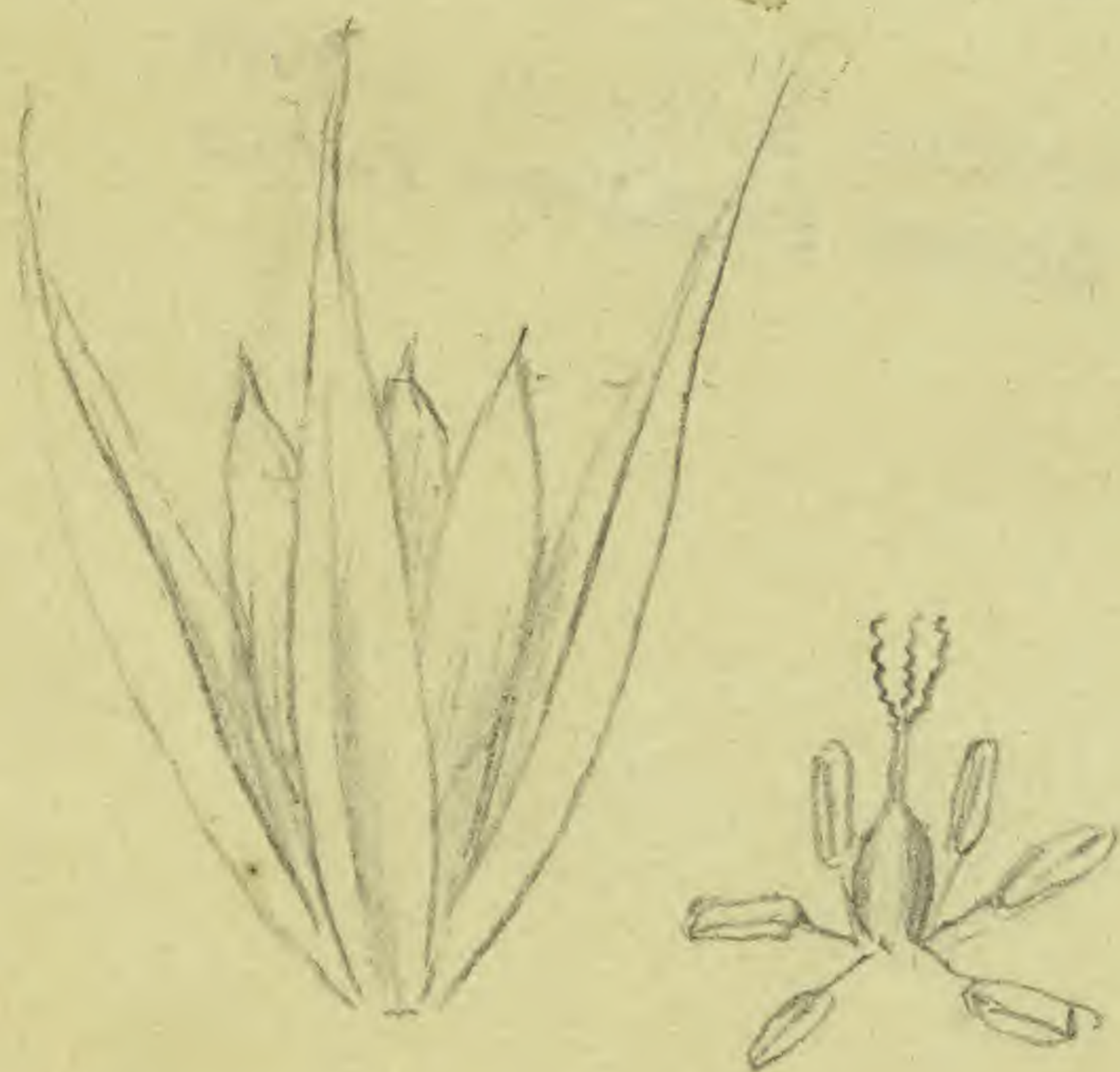
Brewer mis. 1866

Oxymeris?
Xiphodis?

Febr 26 1866

Monte Diablo May 1862

indifolius
(exauriculatus)
capitula 3 flora



long before flowering



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